



## PATENT ABSTRACTS OF JAPAN

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**(54) CHROMAN-BASED COMPOUND AND  
HEAT-SENSITIVE RECORDING MATERIAL USING  
THE SAME**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a new chroman-based compound capable of producing a heat-sensitive recording material excellent in light resistance of an image part and a non-image part and useful as a coupler of a heat-sensitive recording material by utilizing the compound as the coupler of the heat-sensitive recording material.

**SOLUTION.** This compound is represented by formula I [R is an aminocarbonyl, an acylamino, an aminocarboxy, an aminocarbamoyl, a sulfonamide, etc.; R<sup>1</sup> to R<sup>3</sup> are each H, a halogen, a (substituted) alkyl, an alkoxy, etc.; Y is a divalent group; Z is chroman or an atomic group necessary to form the chroman ring, e.g. 2,5,7,8-tetramethyl-2-hexadesyl-6-[5-(N,N-dibutylaminocarbonyl)pentyloxy]chroman. The compound of formula I is obtained by reacting a compound of formula II with a compound of the formula R-Y-X (X is Cl, Br or I) in the presence of a base.

